

YUBA FEATHER FLOOD PROTECTION PROGRAM

PROPOSITION 13: SAFE DRINKING WATER, CLEAN WATER,
WATERSHED PROTECTION, AND FLOOD PROTECTION ACT



PROPOSAL SOLICITATION PACKAGE

2013

YUBA FEATHER FLOOD PROTECTION PROGRAM (YFFPP) PROPOSAL SOLICITATION PACKAGE (PSP)

The California Department of Water Resources (DWR) invites you to submit a project proposal. YFFPP funding comes from Proposition 13 approved by the electorate on March 7, 2000.

PROPOSAL DUE DATE

August 20, 2013

Must be postmarked by this time and date

PROPOSAL SUBMITTAL

Submit one electronic copy and one hard copy for each proposal. CD-ROM is preferred, either in an MS Word compatible format or in a searchable PDF format with content copying enabled. Electronic copies may also be submitted by email. Hard copies or hard copy attachments must be completely legible and suitable for copying.

By hand delivery or overnight carrier:

Attention: David Wright
California Department of Water Resources
3464 El Camino Avenue, Suite 200
Sacramento, California 95821

By e-mail:

David.Wright@water.ca.gov

QUESTIONS? NEED ASSISTANCE? CONTACT:

David Wright, Program Manager
Department of Water Resources
(916) 574-1191
David.Wright@water.ca.gov

PROPOSAL SOLICITATION PACKAGE & GUIDELINES

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1. BACKGROUND AND OBJECTIVE

The creation of the YFFPP was authorized by Proposition 13, The Safe Drinking Water, Clean Water, Watershed Protection, and Flood Protection Act (also known as the Costa-Machado Water Act of 2000). This act, passed by the people of the State of California in March 2000 in response to the devastating impacts of the 1997 floods, was all encompassing and authorized \$1.97 billion to be spent on water quality funding, water conservation, flood protection, etc. Chapter 5 of the Water Bond Act reserved \$292 million to be spent on flood protection statewide. Article 8 of Chapter 5 allocated \$90 million to the YFFPP. Of that amount, the Department of Fish and Game was appointed to administer \$20 million with DWR to mitigate environmental and wildlife impacts as a result of implemented flood risk projects. The remaining \$70 million was authorized to be used by DWR or the Central Valley Flood Protection Board to fund local flood risk reduction projects through the YFFPP. The YFFPP was established to address the continuing and serious threat to life and property along the Yuba/Feather River system and the Colusa Basin Drain. The only entities that can develop proposals and be reimbursed or issued funding as “grants” are entities that have legal authority to implement flood control initiatives within their jurisdictions, i.e. reclamation districts, county agencies, levee districts, water agencies, maintenance areas, etc.

From the \$70 million authorized in Proposition 13, a remaining total of \$2.4 million is being offered to local public entities through this open Proposal Solicitation Package (PSP). Funding will be awarded based on ability to meet eligibility criteria and produce deliverables in a timely manner for the fiscal year.

2. AVAILABLE FUNDS

DWR identified approximately \$2.4 million in program funds that could be used to further the goals of the YFFPP. These funds can be used for feasibility studies, design, or implementation tasks. Based on these new available funds, we are asking local agencies to submit applications for funding of sponsored projects covered under the program.

A. Cost Sharing

As outlined in the California Code of Regulations, Title 23, Division 2, Chapter 2.5.2, §499.4 (d), §499.4.1(f) and §499.4.2(f), DWR may reimburse up to 100 percent of eligible feasibility study or design costs, and up to 70 percent of eligible implementation costs. Due to the limited funds available, one or all projects may receive full or partial funding.

3. ELIGIBILITY

A. Eligible Applicants & Projects

An applicant must be a local public entity that has legal authority and jurisdiction to implement a flood control program as per section 79068.10 of Proposition 13. In accordance with Title 23, Division 2, Chapter 2.5.2, Section 499.3 of the California Code of Regulations, applicants with flood control jurisdiction and projects in the following areas will be considered eligible for feasibility study, design, or implementation funding:

- (a) Yuba and Feather Rivers and their tributaries.
- (b) The Colusa Drain and its tributaries.

B. Eligible Project & Tasks

Eligible funding shall be made in accordance with the California Code of Regulations as determined by DWR. Eligible costs include:

- Preparing related environmental documentation in accordance with California Environmental Quality Act (CEQA).
- Costs required to conduct a feasibility study.
- Conducting design in accordance with an accepted feasibility study and Environmental Impact Report or Negative Declaration pre-pared in accordance with CEQA.
- Implementing a project, including the costs of mitigation and enhancement pursuant to Water Code Section 79068.14, project management, and other supplementary costs approved by DWR. Property rights purchased solely with funds provided under Water Code 79068.14 for mitigation or enhancement features must be acquired from willing sellers.
- Preparing the grant application, provided the application is approved for grant funding.

Costs that DWR has not approved before the expenditure through a contract or other written document will not be reimbursed, however such costs may be credited as payment of the recipient's share of implementation costs for the same project.

4. APPLICATION AND SELECTION PROCESS

Applications must be submitted per program requirements. Applicants may submit proposals for one or more improvement projects that are consistent with the goals of the YFFPP.

All timely applications will first be screened for completeness. Complete applications will be reviewed to determine whether they meet the project eligibility criteria as listed in

the previous section. Eligibility criteria must be met for design and implementation grants, and addressed in feasibility studies. Once an application is deemed complete and eligible, it will be ranked by DWR ranking review team with specific emphasis placed on ability to achieve the maximum number of objectives, as set forth in article 8, section 79068.6 of Proposition 13. Additionally, preference will be given to projects that can be implemented immediately and completed within a reasonable time frame. Once projects are ranked and available funds are assigned to the selected projects, DWR will issue tentative award letters to successful applicants. Successful applicants will execute a grant or funding agreement with DWR before any funds will be disbursed.

A. Funding Process

The review, selection, and award process will progress as specified below:

- (1) Solicitation Notice and a Proposal Solicitation Package are issued.
- (2) The PSP is published on DWR's website.
- (3) DWR staff are available for consultation with agencies regarding what information must be submitted
- (4) Agencies submit their application(s) by the deadline date.
- (5) DWR screens applications for applicant eligibility, timeliness, completeness, and correct format.
- (6) DWR assigns a project type to each proposed project.
- (7) DWR team determines eligibility and completeness of proposals.
- (8) DWR team reviews and scores applications according to evaluation criteria.
- (9) DWR selection panel reviews scoring, recommends projects to be funded, and submits recommended priority and funding lists to the Director.
- (10) Director approves priority and funding.
- (11) DWR notifies selected applicants by mail and posts approved priority and funding list on website.
- (12) Applicant indicates acceptance and becomes the sponsor.
- (13) The sponsor develops a work plan.
- (14) DWR and the sponsor execute a grant or funding agreement.
- (15) The sponsor's work becomes eligible for reimbursement.
- (16) The sponsor proceeds with the work, periodically reporting progress and requesting reimbursement.
- (17) DWR reimburses eligible invoiced expenditures using State of California funds.
- (18) The sponsor completes the project and submits all required output.
- (19) DWR approves the final project in writing and releases all retained funds.

B. Ranking

All eligible Projects will be ranked by a designated DWR review team according to ability to meet the eligibility, objectives, and findings listed below and also those codified in Cal. Water Code § 79068.10. The highest ranked projects will be selected for funding, subject to available funds based on an estimate of the total project cost and the appropriate State of California cost-share.

For the purpose of establishing a projects' rank, the following criteria will be used as a general guideline in the scoring process:

- **Project Type:**
 - Implementation/Construction Projects **(15 pts)**
 - Design Projects **(10 pts)**
 - Feasibility Projects **(10 pts)**
- **Readiness (15 pts):** A project will be rated based on the how quickly it can be started after a funding agreement is executed. Projects that can be implemented immediately and completed by 2016-2017 will receive a higher score.
- **Potential Loss of Life (15 pts):** Rating will be based on project areas protecting a larger population and that are more likely to be affected by a flood event.
- **Potential to Flood (15 pts):** Increased flood protection or flood damage reduction for areas that have the greatest flood risk or have experienced repetitive flood loss.
- **Disadvantaged Communities (10 pts):** The local community is a small community with financial hardship.
- **Regional Benefits (10 pts):** Projects that address regional flood problems will receive a high score.
- **Environmental Benefits (10 pts):** Projects containing environmental benefit elements shall receive higher consideration.

In the unlikely event that there is enough money to fund every complete and eligible Project, DWR reserves the right to set a minimum threshold of ranking points that a Project proposal must meet in order to merit funding. Due to the limited funds available, one or all projects may receive full or partial funding.

5. FUNDING AGREEMENTS

A. Funding Agreement Terms

Before DWR makes any disbursement for a project, DWR and sponsor must execute a funding agreement. The agreement may require review and approval by DWR of

General Services. The sponsor of an eligible project will be required to comply with the following terms:

- **Standard Terms and Conditions:** The grant or funding agreement will contain standard terms and conditions as specified by authorizing legislation and DWR procedures.
- **Funding Contingent on Grant or Funding Agreement:** All reimbursements under grant or funding agreement, including construction costs, evaluation costs, pre-project costs, cost of advance preparation for right of way acquisition, cost of design activities, and supplementary costs, will be made only in accordance with the funding agreement between the sponsor and DWR that has been fully executed and is in effect.
- **Credit for Pre-Project Costs:** Funding will be issued only after the applicant and DWR have entered into a project agreement.
- **Design Requirements:** Applications for projects that are completely designed must include all additional design work in the estimates, schedules, and work plans required for this application and for the funding agreement.
- **Progress Reports:** The sponsor will be required to submit periodic progress reports. DWR has the right to change reporting requirements at any time to make sure the informational needs of DWR and State of California are met.
- **Status of Products of the Project:** All data and information obtained under the grant or funding agreements will be made available in the public domain.
- **Cost-Sharing Requirements:** By executing the grant or funding agreement, the sponsor commits to cost-share as specified in the agreement. DWR may reimburse up to 100 percent of eligible feasibility study or design costs, and up to 70 percent of eligible implementation costs.
- **Resolution:** Before executing the grant or funding agreement, the sponsor shall provide a resolution of its governing board and if necessary, all member entities accepting the grant or funding and designating a representative authorized to execute the grant or funding agreement, sign requests for disbursement, and receive funds on the sponsor's behalf. [see example in appendix]
- **Additional Requirements:** DWR may require additional information as to facilitate administration of the Yuba Feather Flood Protection Program. Guidelines specific to project implementation, reporting and record keeping requirements will be provided to the project sponsor prior to final execution of the agreement.

B. Audits and Record Keeping

All records and documents pertaining to the funding agreement will be maintained by the sponsor until three years after the final payment of funds is made.

All records and documents pertinent to the funding agreement will be available for inspection and audit by DWR or other State representative during normal business hours throughout the project and for three years after final payment of State funds.

5. APPLICATION TIMELINE

The following is a tentative schedule for the YFFPP application and review process:

60 days	PSP is released and the application period is opened.
Deadline	The Proposals are emailed by 9:00 p.m.
60 days	The Proposals are reviewed and selection process begins.
30 days	DWR Executive approves the selected project(s).
45 days	DWR and Local Agencies develop agreements and work plans.
45 days	DWR and the local agency approve the agreement. The Local agency begins work.

6. PREPARING THE PROPOSAL

All proposals must include at minimum, the following items listed in this section. To ensure proposed projects are represented and ranked accurately, be sure to clearly address topics listed in section 4B “Ranking” within the proposal.

A. Required Proposal Elements

1) Table of Contents: List the contents of the complete proposal including any attachments.

2) Executive Summary: Provide a summary of the project in a maximum of two pages, including a short description of the proposed work and the extent of the improvement expected in flood carrying capacity or stability.

3) Project Environment: Describe the project area and include one-page map(s) of the vicinity and the project area, showing the extent of proposed work. Discuss communities affected by the proposed work and historical flooding that may have occurred in the benefited area.

4) Benefits of the Project: Each project application should include a narrative description of the benefits of the project as well as sufficient information to enable DWR to be able to rank the project in accordance with the criteria set forth in this PSP. This information should be supplemented as needed by available documentation.

- **Flood Protection Benefits:** Discuss the project's potential for protecting lives and for protecting property against damage. Provide an evaluation of the savings in damage costs. Describe the depth and extent of the flooding that would occur if the facilities to be repaired should fail. Provide an estimate of the probability of occurrence of the flood events that the existing and repaired facilities can protect against. Describe the existence, qualitative value to the public, and decrease in potential for damage of infrastructure items in the protected area.
- **Additional Project Benefits:** Identify any additional benefits not already discussed such as the developmental status of the protected area, including the population of the area. Describe the status and historic modification of the ecosystem in the project vicinity, emphasizing changes that have taken place because of flood management efforts. Describe and evaluate any project features that would contribute to its restoration. Address potential consequences if the project does not receive funding to move forward.
- **Benefit Cost Ratio:** *Implementation* proposals must include a benefit-cost analysis that is fundamentally consistent with the federal Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies, which was adopted by the US Water Resources Council and outlined in Memorandum #66 from DWR Deputy Director dated February 15, 2008. A project with benefit-cost ratios (BCR) of 1.0 or greater has more benefits than costs, and is therefore considered economically feasible.

5) Project Phasing: Describe fully the extent of the overall proposed work, the methods planned to perform the work, and the potential for discovery of critical conditions requiring additional work. Provide sufficient information so that DWR may determine the project type. State whether the project has complete plans and is ready for construction, or requires additional design. If design is not complete, describe the effort required. For projects requiring additional design, state whether the submitted CEQA document is final. For feasibility studies, grant funding may be used to prepare environmental documentation. For design and implementation projects, if CEQA documentation is not final, the project is not eligible for funding.

6) Task Description of Work: Provide a breakdown of the project into tasks and subtasks, including permitting work, design work, advance preparation for right of way acquisition, and environmental work using descriptive task names. Describe each task and subtask fully and correlate construction tasks to the items and quantities in the construction estimate.

7) Funding Summary: Describe the sources and amounts of any local monetary or in-kind contributions and identify any that would make the total local contribution greater than the required amount. Identify the requested State cost share and provide a task fee budget breakdown that is consistent with the project schedule.

B. Proposal Attachments

Include the following attachments for all proposal applications.

Required Attachments for all Proposals

Budget: Provide a task fee budget breakdown that is consistent with the project schedule.

Schedule: Provide a project schedule based on the project task breakdown. The schedule must include a CPM diagram and show the calendar days to complete the project. Provide an estimate of the required construction period, a discussion of the quality of the estimate, and a statement of the expected completion date.

Project Information Form: Complete the project information form. See appendix.

Applicant's Certification Form: Complete and obtain signatures for the applicant's certification form. See appendix.

Attorney's Certification Form: Complete and obtain signatures for the attorney's certification form. See appendix.

Authorizing Resolution: Attach a resolution authorizing an agency official to make this application. Please contact DWR if authorization cannot be obtained before the deadline. See example in appendix.

Environmental Documentation: Provide a copy of available environmental documentation. Final Environmental Impact Reports or Negative Declarations must be accompanied by a Notice of Determination. Provide documentation that the project is in compliance with the California Endangered Species Act and other applicable environmental laws. DWR will review and consider the project's CEQA environmental document(s) prior to providing funding for any project that is subject to CEQA. The local public agency will be responsible for the preparation, circulation, and consideration of the environmental document.

C. Additional Attachments by Proposal Type

Include the following attachments to the proposal application based on project type.

Feasibility Study Applications

- **Related Studies:** Please attach copies of any studies previously prepared that support an application for a feasibility study grant.
- **Additional Documentation:** Please attach any additional engineering, technical, financial, economic, environmental and legal analyses and justifications required by DWR during administration of this program and evaluation of the applications.

Design Applications

- **Feasibility Assessment/Study:** Please attach a feasibility study meeting the requirements set forth in Section 499.4, Ch. 2.5.2, Div. 2, Title 23 of the California Code of Regulations, demonstrating that the project is economically feasible.
- **Project Plans, Specifications and Estimates:** If available, provide any available preliminary design reports, plans and estimates.
- **Standards:** Provide a list of all criteria, standards, and guidelines used by the project designer. DWR will determine whether the references given are readily available to DWR staff. If DWR staff does not have convenient access to a given reference, the sponsor of a project will be required to supply a copy of the reference.
- **Additional Documentation:** Please attach any additional engineering, technical, financial, economic, environmental and legal analyses and justifications required by DWR during administration of this program and evaluation of the applications.

Implementation/Construction Applications

- **Feasibility Assessment/Study:** Please attach a feasibility study meeting the requirements set forth in Section 499.4, Ch. 2.5.2, Div. 2, Title 23 of the California Code of Regulations, demonstrating that the project is economically feasible.
- **Benefit Cost Ratio:** For implementation projects, provide a benefit cost analysis using the spreadsheet attached in the appendix. Benefit cost ratios must be greater than 1 to be considered economically feasible. Because BCR calculations vary significantly by project, DWR will have economists evaluate the analyses done and, if required, further information may be requested during the consensus period.
- **Project Plans, Specifications and Estimates:** Provide all plans, specifications and construction estimates, prepared and signed by an engineer registered pursuant to California law. A project cost estimate sufficient for evaluation of the project's benefit ratio must be provided. Include within the cost estimate items for design, advance preparation for right of way acquisition, environmental work, project management, and other supplementary costs in agreement with the costs of the items in the task breakdown.

- **Standards:** Provide a list of all criteria, standards, and guidelines used by the project designer. DWR will determine whether the references given are readily available to DWR staff. If DWR staff does not have convenient access to a given reference, the sponsor of a project will be required to supply a copy of the reference.
- **Additional Documentation:** Please attach any additional engineering, technical, financial, economic, environmental and legal analyses and justifications required by DWR during administration of this program and evaluation of the applications.

7. HOW TO SUBMIT PROPOSAL

Prepare the attached application form. If an item does not apply, provide complete justification for not providing the information. Append all required attachments and other submitted material.

Electronic and hardcopy submittal:

- Applicants are required to submit one electronic copy and one hardcopy.
- The preferred format for electronic submittals is on a CD or DVD, in MS Word compatible format or in a searchable PDF format with content copying enabled.
- Applications may also be submitted by e-mail with attachments or by linking to an FTP server.
- One copy of each electronic item must be submitted.
- Electronic attachments should be in separate individual files.
- Electronic attachments must be completely legible and suitable for printing.
- Hardcopy of each electronic item must be submitted by three days (postmarked) after the deadline.
- Hardcopy plans and other graphic material should preferably be submitted full size.
- Hardcopy attachments must be completely legible and suitable for copying.

8. CONFLICT OF INTEREST AND CONFIDENTIALITY

All participants are subject to State and Federal conflict of interest laws. Failure to comply with these laws, including business and financial disclosure provisions, will result in the application being rejected and any subsequent contract being declared void. Other legal action may also be taken. Applicable statutes include, but are not limited to, Government Code, Section 1090, and Public Contract Code, Sections 10410 and 10411.

Applicants should note that by submitting an application, they will waive their rights to the confidentiality of that application, though DWR staff will endeavor to keep all applications confidential until Project selection. After the Projects are selected, all applications (those selected *and* those not) will be public documents.

9. APPENDIX

Project Information

Project Information		
Title of Project		
Short Description		
Requested State Cost Share Amount		Total Project Cost Amount
Applicant Information		
Name <i>(Name of government entity submitting proposal)</i>		
Type of Entity:		
Mailing Address		Physical Address
Telephone	Fax	Email
Applicant Point of Contact (Authorized Representative)		
Name		Title
Mailing Address		
Telephone	Fax	Email
Alternate Point of Contact		
Name		Title
Mailing Address		
Telephone	Fax	Email
Community Information		
Cities/Communities in the Protected Area:		
Members Of Congress		
Name		District No.
Name		District No.
State Senators		
Name		District No.
Name		District No.
Members Of State Assembly		
Name		District No.
Name		District No.

Applicant's Certifications

_____ hereby applies to the California Department of
(Name of Agency)
Water Resources for funding in the amount of \$ as authorized by Section 79068.6 of the
California Water Code for the purpose of performing a _____ project
(Feasibility, Design, or Construction)
identified herein as _____.
(Project Name)

On behalf of the applicant agency, I certify the following:

- The proposed project is along either the Yuba River, Feather River, Colusa Drain or one of their tributaries.
- The grant recipient is a local public entity with legal authority and jurisdiction to implement the proposed flood control program.
- Applicant has sufficient funds or other resources to finance the proposed percentage of the cost of the project and to operate, maintain, repair, rehabilitate, or replace the project as long as necessary.
- If applicant is awarded funding and becomes sponsor of this project, applicant will (1) operate, maintain, repair, rehabilitate, and replace the project facilities as needed in perpetuity, or until the Department of Water Resources agrees in writing that such services are no longer needed, and (2) provide a maintenance plan satisfactory to the Department of Water Resources.

(Signature of Authorized Representative) (Date)

(Printed Name of Authorized Representative) (Title)

Attorney's Certification

(The applicant's attorney shall answer the following questions pertaining specifically to this proposal and shall cite statutory authority or other reference for each question where indicated.)

- 1) Is the applicant agency a political subdivision of the State of California?

☐ Yes ☐ No

Citation: _____

- 2) Does the applicant have legal authority to enter into a grant or funding contract with the State of California? ☐ Yes ☐ No

Citation: _____

- 3) What steps are required by law for the applicant to contract with the State?

Citation: _____

- 4) What is the statutory authority under which the applicant may obtain funds for the purpose, amount, and duration requested?

Citation: _____

- 5) What is the statutory authority under which the applicant agency was formed and is authorized to operate?

Citation: _____

- 6) Is the applicant agency required to hold an election before entering into a funding contract with the State? ☐ Yes ☐ No

Citation: _____

- 7) Will a funding agreement between the applicant agency and the State be subject to review and approval by other governmental agencies? ☐ Yes ☐ No

Identify all such agencies: _____

Citation: _____

- 8) Describe any pending litigation that impacts the financial condition of the applicant agency or the operation of flood management facilities. If none are pending, please state so.

- 9) Does the applicant agency have legal authority and jurisdiction to implement a flood control program at the project site and in the protected area? ☐ Yes ☐ No

Citation: _____

I certify that I am a duly qualified and licensed attorney in California representing the applicant agency and that I have answered the questions on this page and the preceding page to the best of my knowledge.

(Signature of Applicant Agency's Attorney) (Date)

(Printed Name of Applicant Agency's Attorney) (Title)

(Name of Applicant Agency)

RESOLUTION No. _____

RESOLUTION BY THE _____ OF THE _____
(Board of Directions, Supervisors, etc) (Agency, City, County, etc)
FOR A GRANT APPLICATION FOR THE _____ WITH
(Project Name)
THE YUBA FEATHER FLOOD PROTECTION PROGRAM UNDER THE
DEPARTMENT OF WATER RESOURCES.

WHEREAS, ...

WHEREAS, ...

WHEREAS, ...

NOW, THEREFORE, BE IT RESOLVED that, pursuant and subject to all of the terms and provisions of the California Safe Drinking Water, Clean Water, Watershed Protection, and Flood Protection Act, application by this agency be made to the California Department of Water Resources to obtain a _____ grant for the _____. The
(Feasibility/Design/Construction) (Project Name)
_____ is hereby authorized and directed to prepare the necessary data,
(Title of Authorized Representative)
make investigations, sign, and file such application with the California Department of Water Resources.

PASSED AND ADOPTED by the _____ of _____
(Board of Directions, Supervisors, etc) (Agency, City, County, etc)
on _____
(Date)

(Authorizing Signature)

(Printed Name)

(Title)

(Clerk/Secretary)

DEPARTMENT OF WATER RESOURCES

Benefit Cost Analysis

Implementation/construction proposals must include a benefit-cost analysis that is fundamentally consistent with the Federal Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies, which was adopted by the US Water Resources Council and outlined in Memorandum #66 from DWR Deputy Director. A project with a benefit-cost ratio (BCR) of 1.0 or greater has more benefits than costs, and is therefore considered economically feasible. BCR analyses will be used to assist DWR reviewers in ranking applications. Analyses lacking detail or explanation for calculations may result in a lower ranking. DWR may contact applicants for additional information.

Below is a template of how the BCR may be calculated. An active excel file from the YFFPP website will be available for download. Applicants may also use the FEMA Benefit Cost Analysis (BCA) Tool to render their analyses (Note: FEMA BCA Tool renders a conservative BCR, DWR will take this into consideration when review applications). Please use 2013 base year dollar value for all analyses.

Table 1: Capital Costs

	Capital Cost Category	Cost	Contingency		Subtotal
		\$	%	\$	\$
	(A)	(B)	(C)	(D)	(E)
		(enter \$)	(enter %)	(BxC)	(B+D)
(a)	Land Purchase/Easement	\$0	0%	\$0	\$0
(b)	Planning/design/Engineering	\$0	0%	\$0	\$0
(c)	Materials/Installation	\$0	0%	\$0	\$0
(d)	Structures	\$0	0%	\$0	\$0
(e)	Equipment Purchases/rentals	\$0	0%	\$0	\$0
(f)	Environmental Mitigation/Enhancement	\$0	0%	\$0	\$0
(g)	Construction Administration/Overhead	\$0	0%	\$0	\$0
(h)	Project Legal/License Fees	\$0	0%	\$0	\$0
(i)	Other	\$0	0%	\$0	\$0
				(a+b+...)	(a+b+...)
(j)	Total			\$0	\$0

Table 2: Incremental Annual Operations and Maintenance Costs

O&M Cost Category				
Administration	Operations	Maintenance	Other	Total
(A)	(B)	(C)	(D)	(E)
(enter \$)	(enter \$)	(enter \$)	(enter \$)	(A+B+...)
\$0	\$0	\$0	\$0	\$0

Table 3: Benefit/Cost Analysis

	Benefit/Cost Data Category		
(a)	Life of Project	<i>(enter years)</i>	50
(b)	Expected Annual Damage Without Project ⁽¹⁾	<i>(enter \$)</i>	\$0
(c)	Expected Annual Damage With Project ⁽¹⁾	<i>(enter \$)</i>	\$0
(d)	Expected Annual Damage Benefit	(b)-(c)	\$0
(e)	Present Value Coefficient ⁽²⁾	PV(6%,(a),1)	15.76
(f)	Present Value of Future Benefits	(d)x(e)	\$0
(g)	Project Capital Costs	Table 1 (j)	\$0
(h)	Incremental Annual Project O&M Costs	Table 2 (E)	\$0
(i)	Present Value Coefficient ⁽²⁾	PV(6%,(a),1)	15.76
(j)	Present Value Incremental Annual Project O&M Costs	(h)x(i)	\$0
(k)	Present Value Total Project Costs	(g)+(j)	\$0
(l)	Present Value Net Benefits	(f)-(k)	\$0
(m)	Benefit/Cost Ratio	(f)/(k)	0.00

Table 4: Update Factors

Year	Update Factor
2008	1.04
2009	1.03
2010	1.02
2011	1.01
2012	1.00